

9 16. (amended) A recording medium according to claim 7, wherein said lookup table includes information about edge shifting of a leading and trailing edge of a last recording pulse of a plurality of recording pulses.

Please add the following new claims:

19. A recording medium according to claim 7, wherein said lookup table includes information about edge shifting of at least one of a leading and trailing edge of one recording pulse for recording a mark  $3T_w$  long, where  $T_w$  is a time width.--

#### REMARKS

The indication that claims 7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, is acknowledged.

By the present amendment, claim 7 has been written in independent form incorporating the features of parent claim 6 therein, such that this claim should now be in condition for allowance.

With respect to claim 8, it is noted that such claim has also been objected to in that the label " $T_w$ " needs to be defined, and by the present amendment, claim 8 has been written in independent form incorporating the features of parent claim 6 therein, while reciting the feature that  $T_w$  is a time width, as indicated at page 9, line 15 of the specification, for example. Thus,  $T_w$  has now been defined, and by rewriting claim 8 in independent form, this claim should also now be in condition for allowance.

With respect to the other claims of this application, independent claim 6 has been canceled, and claims 9-16 have been amended to depend from claim 7 which has been written in independent form, and should now be allowable. Additionally, a new dependent claim 19 has been presented, which corresponds to the features of

claim 8 dependent upon allowable claim 7, such that applicants submit that the only claims remaining in this application are claims 7-16 and 19, all of which should now be in condition for allowance.

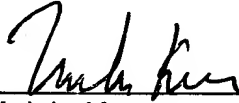
As to the rejection of claims 6 and 9-16 under 35 U.S.C. 102(e) as being anticipated by Fuji (U.S. Patent 6,310,846), such rejection has been obviated by the cancellation of independent claim 6 and the rewriting of claims 7 and 8 in independent form, which features the Examiner recognizes patentably distinguish over Fuji, and with the amendment of claims 9-16 to depend from claim 7. As such, discussion of Fuji in relation to the claimed invention is considered unnecessary. Applicants note, however, that the present invention relates to the control of a falling edge timing and rising edge timing of a recording pulse in recording information on the medium as described at page 11, lines 21-25 of the specification, for example, whereas, Fuji relates to the control of reading a signal from a first mark to determine an optimum reproducing condition and recording a second mark under the optimum reproducing condition and determining a recording condition, which does not provide for control of the timing of the falling and rising edges of a recording pulse. As such, it is apparent that Fuji does not disclose the features of the present invention and as recognized by the Examiner, claims 7 and 8 and the dependent claims patentably distinguish over Fuji and are allowable thereover.

In view of the above amendments and remarks, applicants submit that independent claims 7 and 8 and the dependent claims thereof, i.e. claims 9-16 and 19, as recognized by the Examiner, are allowable over the cited art and accordingly, issuance of an action of a favorable nature is courteously solicited.

To the extent necessary, applicant's petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing

of this paper, including extension of time fees, to Deposit Account No. 01-2135 (500.37445CX1) and please credit any excess fees to such deposit account.

Respectfully submitted,

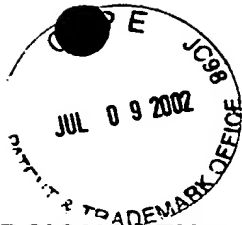
A handwritten signature in black ink, appearing to read 'Melvin Kraus', is written over a horizontal line.

Melvin Kraus

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

Please cancel claim 6 without prejudice or disclaimer of the subject matter thereof.

Please rewrite claims 7 and 8 in independent form as follows:

7. (amended) A recording medium ~~according to claim 6, comprising:~~  
a disk-like substrate;  
at least one track being provided on the disk-like substrate;  
a zone including said at least one track therein;  
wherein said zone stores a lookup table having information about edge  
shifting of at least one of a leading and trailing edge of at least one recording pulse;  
and

wherein said lookup table includes a list of values which are determined by combinations of a length  $M(n)$  of a mark being currently written and at least one of a length  $s(n-1)$  of a space precedent to the mark and a length  $s(n+1)$  of a space subsequent to the mark, and which can be positive and negative.

8. (amended) A recording medium ~~according to claim 6, comprising:~~  
a disk-like substrate;  
at least one track being provided on the disk-like substrate;  
a zone including said at least one track therein;  
wherein said zone stores a lookup table having information about edge  
shifting of at least one of a leading and trailing edge of at least one recording pulse;  
and

wherein said lookup table includes information about edge shifting of at least one of a leading and trailing edge of one recording pulse for recording a mark  $3T_w$  long, where  $T_w$  is a time width.

Please amend claims 9-16 as follows:

9. (amended) A recording medium according to claim-~~6~~ 7, wherein said lookup table includes information about edge shifting of a leading edge of a first recording pulse and a trailing edge of a last recording pulse of a plurality of recording pulses.

10. (amended) A recording medium according to claim-~~6~~ 7, wherein said lookup table includes information about edge shifting of a leading and trailing edge of a first recording pulse and a trailing edge of a last recording pulse of a plurality of recording pulses.

11. (amended) A recording medium according to claim-~~6~~ 7, wherein said lookup table includes information about edge shifting of a leading edge of a first recording pulse and a leading and trailing edge of a last recording pulse of a plurality of recording pulses.

12. (amended) A recording medium according to claim-~~6~~ 7, wherein said lookup table includes information about edge shifting of a leading and trailing edge of each of first and a last recording pulse of a plurality of recording pulses.

13. (amended) A recording medium according to claim-~~6~~ 7, wherein said lookup table includes information about edge shifting of a leading edge of a first recording pulse of a plurality of recording pulses.

14. (amended) A recording medium according to claim-67, wherein said lookup table includes information about edge shifting of a leading and trailing edge of a first recording pulse of a plurality of recording pulses.

15. (amended) A recording medium according to claim-67, wherein said lookup table includes information about edge shifting of a trailing edge of a last recording pulse of a plurality of recording pulses.

16. (amended) A recording medium according to claim-67, wherein said lookup table includes information about edge shifting of a leading and trailing edge of a last recording pulse of a plurality of recording pulses.

Please add the following new claims:

--19. A recording medium according to claim 7, wherein said lookup table includes information about edge shifting of at least one of a leading and trailing edge of one recording pulse for recording a mark  $3T_w$  long, where  $T_w$  is a time width.--